

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	17	382/256,257,258,259,308.ccls. and ((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ skeleton\$) and template and (foreground background)	USPAT	OR	OFF	2007/07/05 15:21
L2	0	382/256,257,258,259,308.ccls. and (((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ skeleton\$) and template and (foreground background)).clm.	USPAT	OR	OFF	2007/07/05 15:21
L3	1	382/256,257,258,259,308.ccls. and (((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ skeleton\$) and template and (foreground background)).clm.	US-PGPUB; USPAT	OR	OFF	2007/07/05 15:21
S1	7	("4849914" "5515452" "5745596" "5900953" "6058214" "6343154" "6633670").pn.	USPAT	OR	OFF	2007/01/30 13:47
S2	13	10/776,515 10/776,514 10/776,608 10/776,602 10/776,620 10/776,603 10/776,509 10/776,508 10/776,516 10/776,516 10/776,612	US-PGPUB; USPAT	OR	OFF	2007/01/30 13:44
S3	399	382/256,257,258,259.ccls.	USPAT	OR	OFF	2007/01/25 14:15
S4	522	382/256,257,258,259,308.ccls.	USPAT	OR	OFF	2007/01/25 14:17
S5	146	382/256,257,258,259,308.ccls. and ((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))	USPAT	OR	OFF	2007/01/25 14:24
S6	115	382/256,257,258,259,308.ccls. and ((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ skeleton\$)	USPAT	OR	OFF	2007/02/26 14:43
S7	123	382/256,257,258,259,308.ccls. and ((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ erosion skeleton\$)	USPAT	OR	OFF	2007/01/25 14:34
S8	136	382/256,257,258,259,308.ccls. and ((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ erosion skeleton\$ open\$ clos\$)	USPAT	OR	OFF	2007/01/25 14:36

## EAST Search History

S9	124	382/256,257,258,259,308.ccls. and ((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ erosion skeleton\$ open\$ clos\$) and (break\$ separat\$ segment\$)	USPAT	OR	OFF	2007/02/26 14:43
S10	73	382/256,257,258,259,308.ccls. and ((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ erosion skeleton\$ open\$ clos\$) and (break\$ separat\$ segment\$) with (line feature\$ edge\$)	USPAT	OR	ON	2007/01/25 15:22
S11	4	382/256,257,258,259,308.ccls. and break with thin with (line feature)	USPAT	OR	ON	2007/01/25 15:30
S12	24	("3905018").URPN.	USPAT	OR	OFF	2007/01/25 15:26
S13	9	382/256,257,258,259,308.ccls. and break\$ with (thin\$ erode erosion eroding) with (line feature)	USPAT	OR	ON	2007/01/25 15:31
S14	3179593	S13 no S11	USPAT	OR	ON	2007/01/25 15:31
S15	5	S13 not S11	USPAT	OR	ON	2007/01/25 15:31
S16	5	("20040249809"   "5732264"   "5845288"   "5860075"   "6625618").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/25 15:32
S17	0	("5710837").URPN.	USPAT	OR	OFF	2007/01/25 15:33
S18	0	("5710837").URPN.	USPAT	OR	OFF	2007/01/25 15:33
S19	7	("5146511").URPN.	USPAT	OR	OFF	2007/01/25 15:35
S20	13	("4809348").URPN.	USPAT	OR	OFF	2007/01/25 16:12
S21	4	382/256,257,258,259,308.ccls. and conditional with (thin\$ skeleton erod\$ eros\$)	USPAT	OR	ON	2007/01/25 16:50
S22	18	("4539704").URPN.	USPAT	OR	OFF	2007/01/25 16:28
S23	0	("5790763").URPN.	USPAT	OR	OFF	2007/01/25 16:39
S24	0	("5790763").URPN.	USPAT	OR	OFF	2007/01/25 16:40
S25	0	("5790763").URPN.	USPAT	OR	OFF	2007/01/25 16:41
S26	4	("4539704"   "5270728"   "5280546"   "5351304").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/25 16:41
S27	0	("5790763").URPN.	USPAT	OR	OFF	2007/01/25 16:44
S28	0	("5621823").URPN.	USPAT	OR	OFF	2007/01/25 16:44
S29	0	("5621823").URPN.	USPAT	OR	OFF	2007/01/25 16:44
S30	0	("5592570").URPN.	USPAT	OR	OFF	2007/01/25 16:45
S31	240	382/256,257,258,259,308.ccls. and (grey\$ gray\$)	USPAT	OR	ON	2007/01/29 16:37

## EAST Search History

S32	78	382/256,257,258,259,308.ccls. and (grey\$ gray\$) same (subtract\$ decreas\$ less\$ difference)	USPAT	OR	ON	2007/01/25 16:51
S33	63	382/256,257,258,259,308.ccls. and (grey\$ gray\$) same (subtract\$ decreas\$ less\$ difference) same value	USPAT	OR	ON	2007/01/25 16:56
S34	50	382/256,257,258,259.ccls. and (grey\$ gray\$) same (subtract\$ decreas\$ less\$ difference) same value	USPAT	OR	ON	2007/01/29 15:51
S35	7	("5224179"   "5272763"   "5420937"   "5493621"   "5650828"   "5875225"   "6058219").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/25 17:10
S36	1	("6775418").URPN.	USPAT	OR	OFF	2007/01/25 17:15
S37	0	382/256,257,258,259.ccls. and (grey\$ gray\$) same (subtract\$ decreas\$ less\$ difference) same valueand obde.in.	USPAT	OR	ON	2007/01/29 16:37
S38	1	"5790763".pn.	USPAT	OR	ON	2007/01/29 16:37
S39	0	382/256,257,258,259,308.ccls. and (grey\$ gray\$) and ohde.in.	USPAT	OR	ON	2007/01/29 16:37
S40	0	382/256,257,258,259,308.ccls. and (grey\$ gray\$) and (ohde).in.	USPAT	OR	ON	2007/01/29 16:38
S41	9	("4477926"   "4481664"   "4866785"   "4980923"   "5438636"   "5452367"   "5537485"   "5680485"   "5953461").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 13:07
S42	45879	382/???.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 13:08
S43	594	382/???.ccls. and (gray grey) with (level value scale) with (subtract\$ decreas\$ shrink\$)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 13:09
S44	24	382/256,257,258,308.ccls. and (gray grey) with (level value scale) with (subtract\$ decreas\$ shrink\$)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 13:53
S45	3	10/612,063	USPAT	OR	OFF	2007/01/30 13:49
S46	3	10/612,063	USPAT	OR	OFF	2007/01/30 13:49
S47	9	10/612,063	US-PGPUB; USPAT	OR	OFF	2007/01/30 13:49
S48	68	382/256,257,258,308.ccls. and (erod\$ eros\$) same (subtract\$ decreas\$ shrink\$)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 13:54
S49	9	10/612,063	US-PGPUB; USPAT	OR	ON	2007/02/26 14:41

## EAST Search History

S50	1	"5859921".pn.	US-PGPUB; USPAT	OR	ON	2007/02/26 14:41
S51	0	382/256,257,258,259,308.ccls. and ((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ skeleton\$) and template same 3x3	USPAT	OR	OFF	2007/02/26 14:43
S52	16	382/256,257,258,259,308.ccls. and ((gray\$ grey\$) and (binarized binary half\$tone)and (subtract\$ difference))and (thin\$5 erod\$ skeleton\$) and template	USPAT	OR	OFF	2007/07/05 15:20
S53	1	"6389181".pn.	USPAT	OR	ON	2007/02/28 18:56